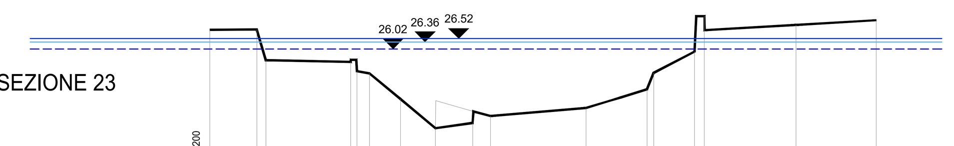
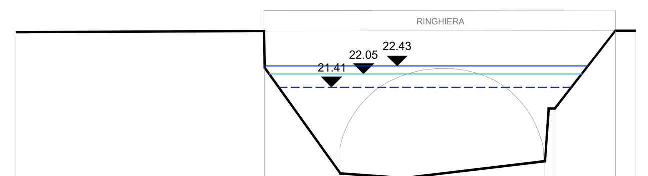
SEZIONE 23



20.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
DISTANZE PROGRESSIVE [m]	0.00	2.28	2.72	6.84	7.15	7.76	9.28	10.98	12.78	13.63	18.26	21.23	21.55	23.53	24.02	28.46	32.38
DISTANZE PARZIALI [m]	2.28	0.44	4.12	0.31	0.61	1.50	1.70	1.80	0.87	4.63	2.97	0.32	1.98	0.49	4.44	3.91	
QUOTE [m s.l.m.m.]	26.94	[illegible]	[illegible]	[illegible]	[illegible]	24.62	23.58	22.17	[illegible]	22.78	23.15	[illegible]	[illegible]	[illegible]	[illegible]	27.18	27.41

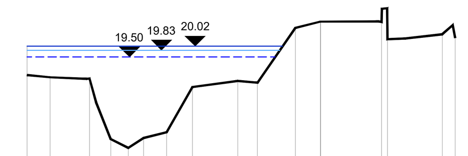
SEZIONE 17



15.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8
DISTANZE PROGRESSIVE [m]	0.00	12.07	15.74	18.86	25.68	26.16	29.09	30.10
DISTANZE PARZIALI [m]	12.07	3.66	3.12	6.82	0.48	2.93	1.00	
QUOTE [m s.l.m.m.]	24.08	24.13 22.36	17.23	17.01	17.51	20.37	24.15	24.15

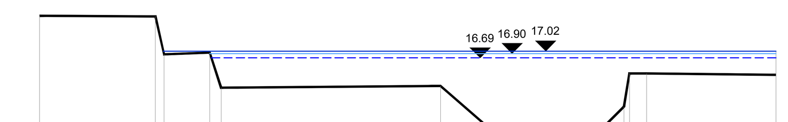
SEZIONE 68



10.00 — 200 / 500

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DISTANZE PROGRESSIVE [m]	0.00	2.82	7.58	10.16	12.29	14.16	16.95	20.08	25.59	27.97	32.55	35.61	[illegible]	43.76	50.38	51.96
DISTANZE PARZIALI [m]	2.82	4.76	2.58	2.13	1.87	2.79	3.13	5.50	2.38	4.58	3.05	7.41	0.74	6.62	1.58	
QUOTE [m s.l.m.m.]	18.62	18.51	[illegible]	[illegible]	15.51	15.08	15.56	15.83	18.04	18.33	18.25	20.92	21.22	[illegible]	20.40	[illegible]

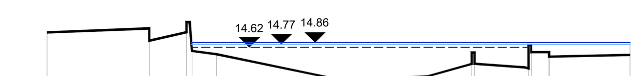
SEZIONE 15PL



10.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12
DISTANZE PROGRESSIVE [m]	0.00	5.63	[illegible]	8.26	8.81	19.48	21.99	27.54	[illegible]	[illegible]	29.47	35.75
DISTANZE PARZIALI [m]	5.63	0.42	2.22	0.56	10.66	2.52	5.55	0.83	0.27	0.83	6.28	
QUOTE [m s.l.m.m.]	18.74	[illegible]	[illegible]	[illegible]	15.23	15.32	13.12	13.47	[illegible]	[illegible]	15.63	15.86

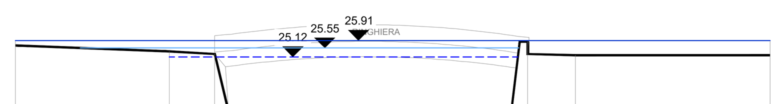
SEZIONE 17PL



10.00 — 200 / 500

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14
DISTANZE PROGRESSIVE [m]	0.00	12.44	[illegible]	[illegible]	20.60	34.54	39.98	46.23	51.57	[illegible]	[illegible]	[illegible]	60.97	70.78
DISTANZE PARZIALI [m]	12.44	4.50	0.67	3.00	13.94	5.44	6.25	5.34	0.36	6.27	0.30	2.18	9.81	
QUOTE [m s.l.m.m.]	15.35	16.85	[illegible]	[illegible]	14.29	13.13	13.08	13.21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14.25

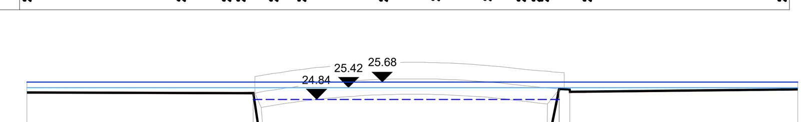
SEZIONE 22



20.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13
DISTANZE PROGRESSIVE [m]	0.00	7.47	9.67	10.36	11.96	13.32	17.28	19.80	22.31	23.97	24.85	27.17	36.62
DISTANZE PARZIALI [m]	7.47	2.20	0.69	1.60	1.36	3.96	2.52	2.51	1.65	0.88	2.32	9.45	
QUOTE [m s.l.m.m.]	25.67	25.39	25.28	22.38	22.28	21.76	21.46	21.51	21.51	21.66	[illegible]	25.30	25.20

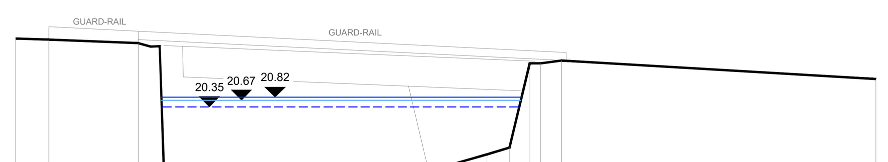
SEZIONE 21



15.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11
DISTANZE PROGRESSIVE [m]	0.00	10.98	11.51	15.47	18.38	20.29	21.78	25.17	25.81	26.33	37.38
DISTANZE PARZIALI [m]	10.98	0.54	3.96	2.90	1.92	1.49	3.39	0.64	0.52	11.06	
QUOTE [m s.l.m.m.]	25.17	25.14	21.53	21.50	21.34	21.28	21.75	[illegible]	[illegible]	[illegible]	25.33

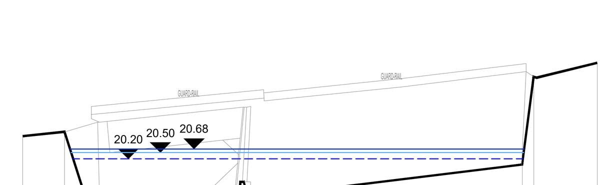
SEZIONE 16



10.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12
DISTANZE PROGRESSIVE [m]	0.00	1.61	5.94	7.21	12.90	19.69	22.86	23.95	24.93	25.46	26.49	41.73
DISTANZE PARZIALI [m]	1.61	4.33	1.27	5.69	6.79	3.17	1.09	0.98	0.53	1.02	15.24	
QUOTE [m s.l.m.m.]	23.67	23.61	23.45	[illegible]	18.35	17.14	18.05	18.38	22.47	22.47	22.59	21.70

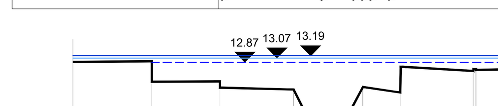
SEZIONE 15



10.00 — 200 / 500

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14
DISTANZE PROGRESSIVE [m]	0.00	5.07	7.75	9.36	15.96	19.12	[illegible]	[illegible]	[illegible]	29.03	38.80	60.59	61.99	69.70
DISTANZE PARZIALI [m]	5.07	2.68	1.61	6.60	3.16	6.29	[illegible]	[illegible]	[illegible]	9.77	21.79	1.40	7.71	
QUOTE [m s.l.m.m.]	21.30	21.51	18.16	17.79	16.49	16.33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24.85

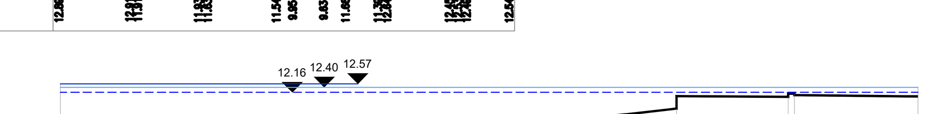
SEZIONE 18PL



5.00 — 200 / 500

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11
DISTANZE PROGRESSIVE [m]	0.00	9.55	17.81	26.74	28.72	32.46	35.13	39.65	48.52	48.82	55.30
DISTANZE PARZIALI [m]	9.55	8.25	8.93	1.98	3.74	2.67	4.52	8.87	0.30	6.48	
QUOTE [m s.l.m.m.]	12.89	[illegible]	[illegible]	11.54	9.95	9.63	11.68	[illegible]	[illegible]	[illegible]	12.54

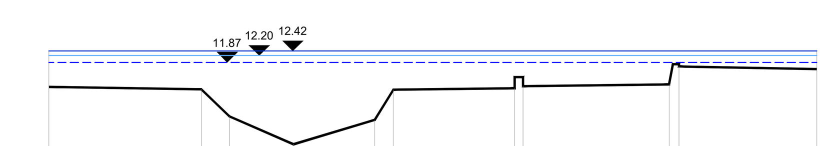
SEZIONE 19PL



5.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12
DISTANZE PROGRESSIVE [m]	0.00	9.30	12.04	13.50	18.70	20.32	23.41	27.45	29.90	35.32	35.62	41.61
DISTANZE PARZIALI [m]	9.30	2.74	1.46	5.19	1.62	3.09	4.04	2.45	5.42	0.30	5.99	
QUOTE [m s.l.m.m.]	11.02	11.03	10.72	9.34	9.17	10.57	10.74	11.10	[illegible]	[illegible]	[illegible]	11.95

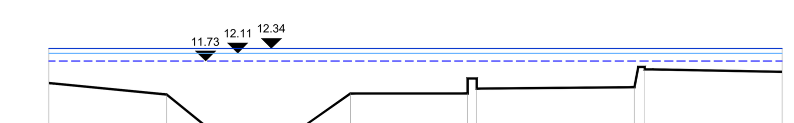
SEZIONE 20PL



5.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11
DISTANZE PROGRESSIVE [m]	0.00	7.40	8.77	11.88	15.81	16.72	22.61	23.01	30.10	30.58	37.28
DISTANZE PARZIALI [m]	7.40	1.37	3.11	3.94	0.90	5.89	0.40	7.09	0.48	6.70	
QUOTE [m s.l.m.m.]	10.88	10.56	9.25	7.90	9.08	10.54	[illegible]	[illegible]	[illegible]	[illegible]	11.55

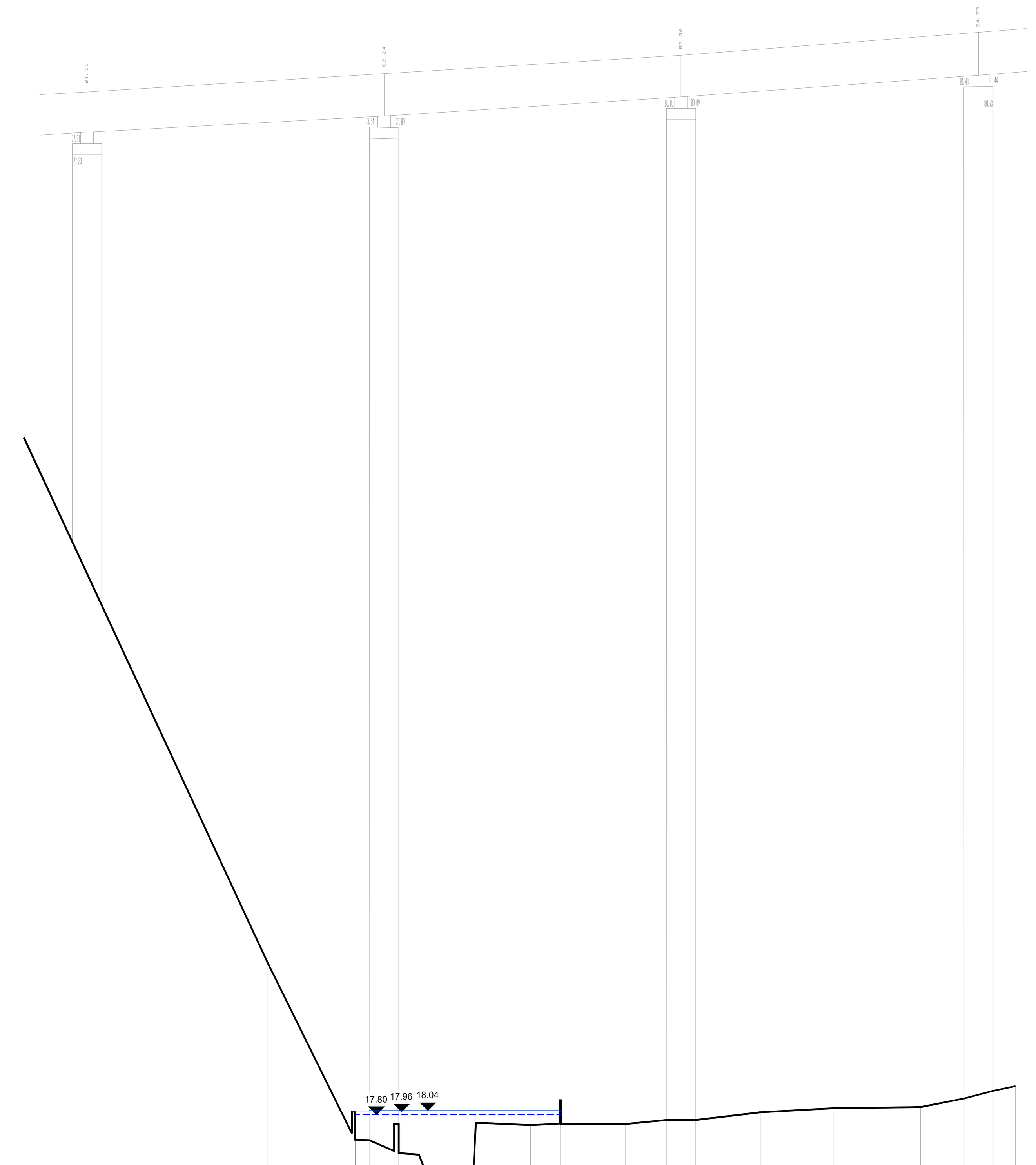
SEZIONE 21PL



5.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11
DISTANZE PROGRESSIVE [m]	0.00	5.73	7.85	10.65	12.35	14.65	20.33	20.78	28.43	28.93	35.61
DISTANZE PARZIALI [m]	5.73	2.13	2.80	1.70	2.30	5.69	0.45	7.65	0.50	6.68	
QUOTE [m s.l.m.m.]	10.67	10.11	8.39	8.35	8.54	10.15	[illegible]	[illegible]	[illegible]	[illegible]	11.20

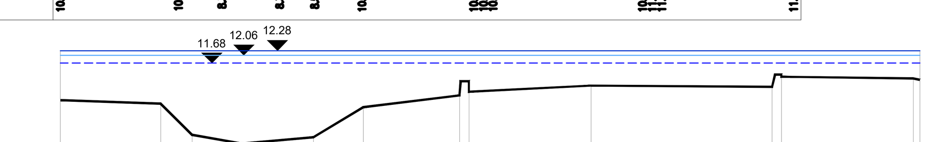
SEZIONE 14



10.00 — 200 / 500

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
DISTANZE PROGRESSIVE [m]	0.00	37.62	[illegible]	[illegible]	53.44	[illegible]	[illegible]	61.12	62.27	69.57	71.03	78.39	82.95	93.05	99.48	103.98	113.94	125.35	138.75	145.50	149.96	153.44
DISTANZE PARZIALI [m]	37.62	13.13	0.50	2.20	3.83	0.70	3.14	1.15	7.30	1.46	7.36	4.56	10.10	6.43	4.50	9.96	11.41	13.39	6.75	4.49	3.46	
QUOTE [m s.l.m.m.]	56.70	27.29	[illegible]	[illegible]	18.22	[illegible]	[illegible]	[illegible]	[illegible]	14.47	17.28	17.15	[illegible]	17.22	17.47	17.47	17.94	18.21	18.27	18.80	19.27	19.58

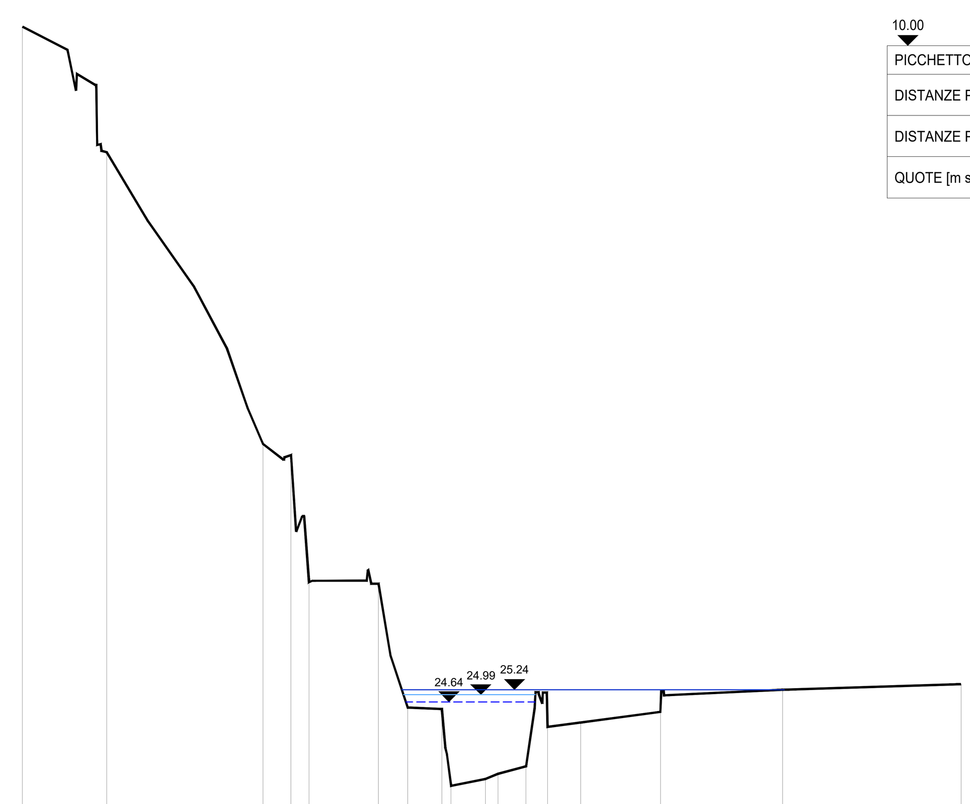
SEZIONE 22PL



5.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13
DISTANZE PROGRESSIVE [m]	0.00	4.87	6.40	8.81	12.29	14.71	[illegible]	[illegible]	25.77	[illegible]	[illegible]	41.41	41.74
DISTANZE PARZIALI [m]	4.87	1.53	2.41	3.48	2.43	4.67	0.46	5.93	8.79	0.45	6.40	0.33	
QUOTE [m s.l.m.m.]	9.86	9.71	8.21	7.79	8.09	9.54	[illegible]	[illegible]	10.59	[illegible]	[illegible]	[illegible]	[illegible]

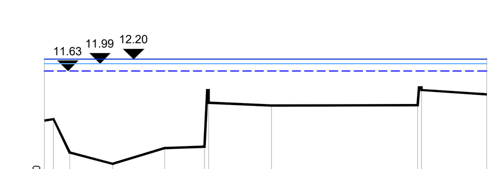
SEZIONE 67



15.00 — 200 / 500

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
DISTANZE PROGRESSIVE [m]	0.00	10.24	29.19	32.60	34.79	43.22	46.75	50.91	52.02	56.18	57.73	61.12	63.73	67.74	77.43	92.26	113.92
DISTANZE PARZIALI [m]	10.24	18.95	3.41	2.19	8.43	3.53	4.16	1.11	4.16	1.54	3.39	2.61	4.02	9.69	14.83	21.66	
QUOTE [m s.l.m.m.]	57.43	[illegible]	37.17	36.39	[illegible]	30.38	28.91	24.37	[illegible]	20.90	21.16	21.51	[illegible]	23.84	[illegible]	25.24	25.50

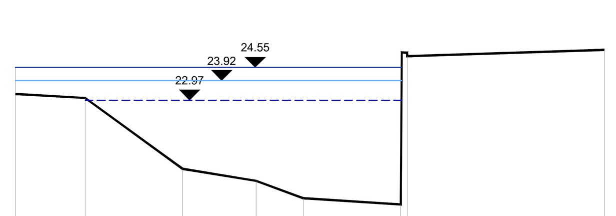
SEZIONE 23PL



5.00 — 200 / 500

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11
DISTANZE PROGRESSIVE [m]	0.00	1.10	3.06	8.27	14.58	[illegible]	[illegible]	27.54	[illegible]	[illegible]	53.66
DISTANZE PARZIALI [m]	1.10	1.96	5.21	6.31	4.85	0.48	7.62	17.75	0.46	7.91	
QUOTE [m s.l.m.m.]	[illegible]	[illegible]	7.57	7.13	7.89	[illegible]	[illegible]	9.96	[illegible]	[illegible]	10.49

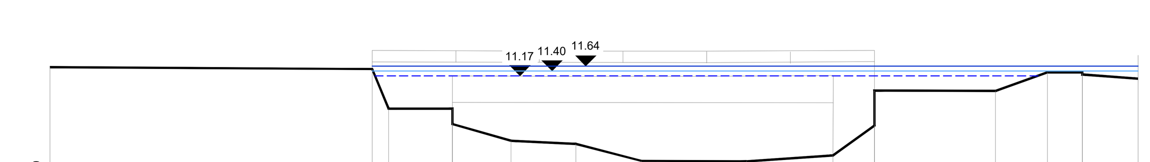
SEZIONE 19



15.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8
DISTANZE PROGRESSIVE [m]	0.00	3.38	8.11	11.68	13.96	18.70	19.02	28.58
DISTANZE PARZIALI [m]	3.38	4.72	3.57	2.28	4.74	0.32	9.57	
QUOTE [m s.l.m.m.]	23.27	23.05	19.65	19.07	18.22	[illegible]	[illegible]	25.41

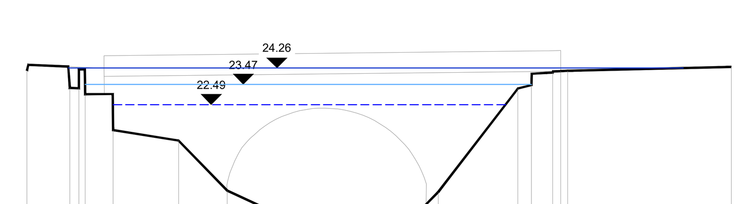
SEZIONE 24PL



5.00 — 200 / 200

PICCHETTO	1	2	3	5	6	7	8	9	10	11	12	13	14	15
DISTANZE PROGRESSIVE [m]	0.00	15.65	16.45	19.55	22.39	25.54	28.72	33.82	38.01	40.03	45.91	48.42	50.12	52.83
DISTANZE PARZIALI [m]	15.65	0.80	3.10	2.84	3.15	3.17	5.11	4.19	2.02	5.88	2.51	1.70	2.71	
QUOTE [m s.l.m.m.]	11.59	[illegible]	9.58	8.88	8.01	7.86	7.04	7.02	7.30	[illegible]	10.43	11.33	[illegible]	11.04

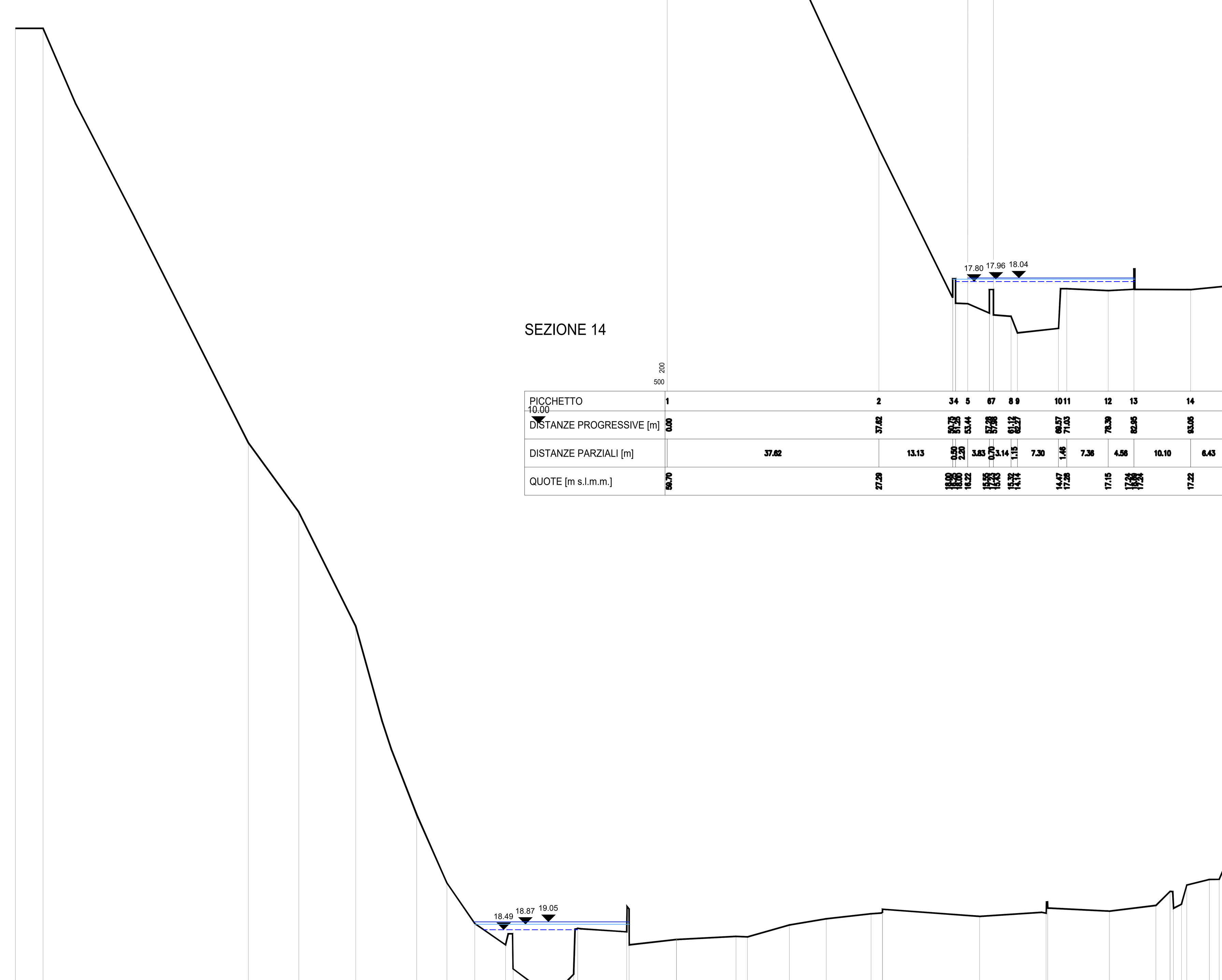
SEZIONE 18



15.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
DISTANZE PROGRESSIVE [m]	0.00	[illegible]	[illegible]	[illegible]	4.18	7.36	9.72	11.97	15.22	17.95	19.34	19.95	23.83	24.48	[illegible]	[illegible]	[illegible]	34.19
DISTANZE PARZIALI [m]	2.08	[illegible]	[illegible]	1.36	3.18	2.36	2.25	3.25	2.74	1.39	0.61	3.87	0.66	1.03	[illegible]	[illegible]	7.95	
QUOTE [m s.l.m.m.]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20.76	18.32	17.29	17.10	17.18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24.32

SEZIONE 69

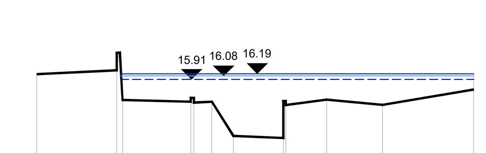


10.00 — 200 / 500

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
DISTANZE PROGRESSIVE [m]	0.00	4.89	41.39	50.36	60.47	71.31	76.68	81.64	87.11	88.44	92.52	94.92	96.79	99.22	[illegible]	[illegible]	[illegible]	117.51
DISTANZE PARZIALI [m]	4.89	36.50	8.97	10.11	10.84	5.37	4.96	5.47	1.33	4.08	2.40	1.86	2.43	0.73	8.69	0.46	8.42	10.57
QUOTE [m s.l.m.m.]	82.56	82.56	53.11	48.18	40.08	26.67	21.82	18.83	[illegible]	[illegible]	14.46	14.18	14.35	[illegible]	[illegible]	[illegible]	[illegible]	17.80

PICCHETTO	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
DISTANZE PROGRESSIVE [m]	128.08	130.14	137.58	144.14	152.08	154.13	171.40	[illegible]	[illegible]	194.48	202.73	[illegible]	[illegible]	[illegible]	[illegible]	212.24	213.96	215.88
DISTANZE PARZIALI [m]	2.05	7.44	6.57	7.94	2.04	17.26	11.82	0.28	10.98	8.25	2.82	[illegible]	[illegible]	[illegible]	4.02	1.73	1.91	
QUOTE [m s.l.m.m.]	18.01	17.98	18.82	19.28	[illegible]	[illegible]	19.44	[illegible]	[illegible]	19.51	20.22	[illegible]	[illegible]	[illegible]	[illegible]	22.06	22.07	23.84

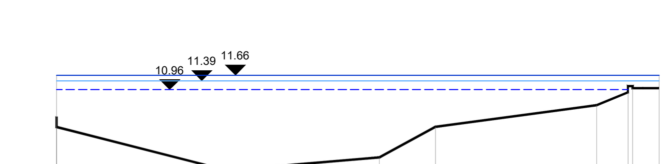
SEZIONE 16PL



10.00 — 200 / 500

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12
DISTANZE PROGRESSIVE [m]	0.00	9.73	10.42	[illegible]	[illegible]	[illegible]	23.85	[illegible]	[illegible]	35.13	41.93	52.98
DISTANZE PARZIALI [m]	9.73	0.69	8.27	[illegible]	2.16	2.82	6.06	0.30	4.93	6.80	11.05	
QUOTE [m s.l.m.m.]	16.17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13.17	[illegible]	[illegible]	[illegible]	14.67	15.43

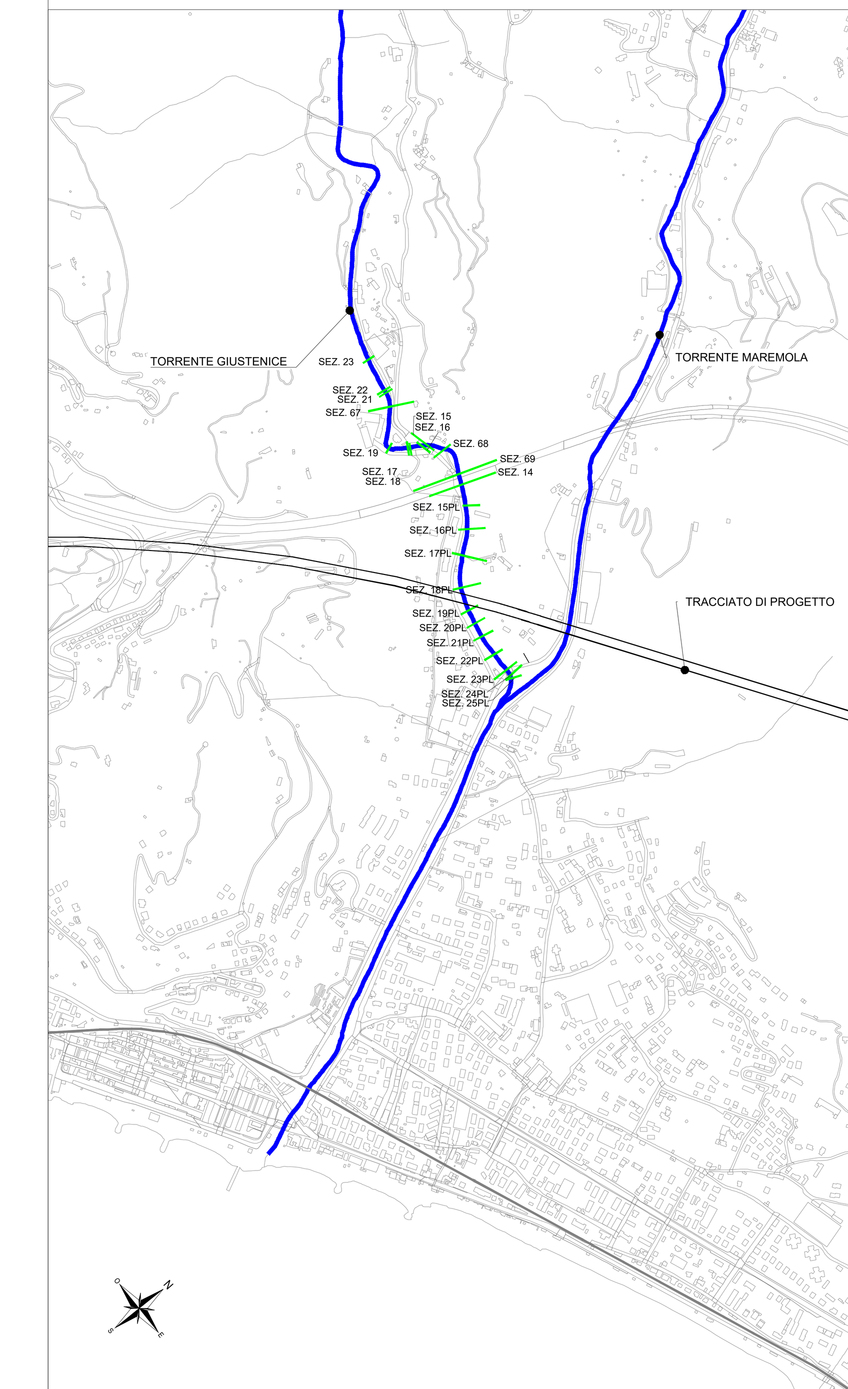
SEZIONE 25PL



5.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8
DISTANZE PROGRESSIVE [m]	0.00	8.25	15.66	18.39	26.20	[illegible]	[illegible]	29.24
DISTANZE PARZIALI [m]	8.25	7.41	2.73	7.81	1.52	0.23	1.29	
QUOTE [m s.l.m.m.]	9.84	7.03	7.98	9.15	10.21	[illegible]	[illegible]	11.03

KEY PLAN Scala - 1:10.000



LEGENDA

- LIVELLO TR500
- LIVELLO TR200
- LIVELLO TR50
- SEZIONE X — n° SEZIONE

COMMITTENTE: RFI RETE FERROVIARIA ITALIANA — GRUPPO FERROVIE DELLO STATO ITALIANE

PROGETTAZIONE: ITALFERR — GRUPPO FERROVIE DELLO STATO ITALIANE

U.O. OPERE CIVILI

PROGETTO DEFINITIVO

RADDOPPIO DELLA LINEA GENOVA - VENTIMIGLIA

TRATTA FINALE LIGURE - ANDORA

ELABORATI DI IDROLOGIA E IDRAULICA

Torrente Maremola e Giustenice - pk 71+000

Sezioni significative con livelli idrici (Modello 2D) - Tr 50, 200, 500 anni - Torrente Giustenice - ante operam

SCALA: varie

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.
IV0I	00	D	09	WZ	ID0002	002	A

Rev.	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	Autorizzato Data
A	Emissione esecutiva	D. Polverelli	Nov 2021	C. Cesali	Nov 2021	G. Fadda	Nov 2021	A. Vittozzi Novembre 2021

ITALFERR S.p.A. U.O. Opere Civili e Gestione delle varianti Dott. Ing. Angelo Vittozzi Ordine degli Ingegneri della Provincia di Roma N° A20783

File: IV0I00D09WZID0002002A.dwg — n. Elab.: X